

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P694588

Luminaire Tested: **LXF.LXT-PA16-20-740-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-740-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583.1 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

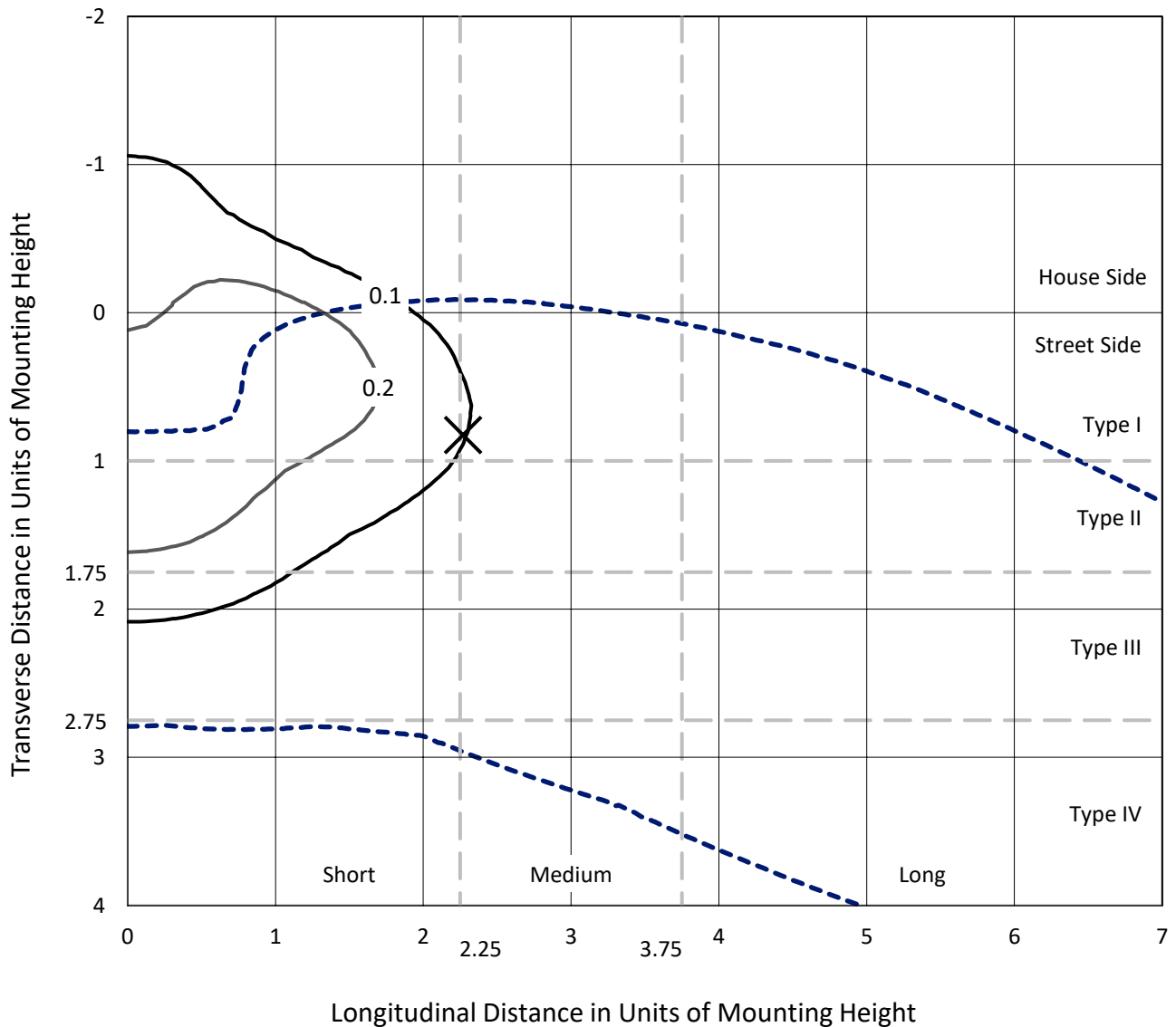
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694588
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

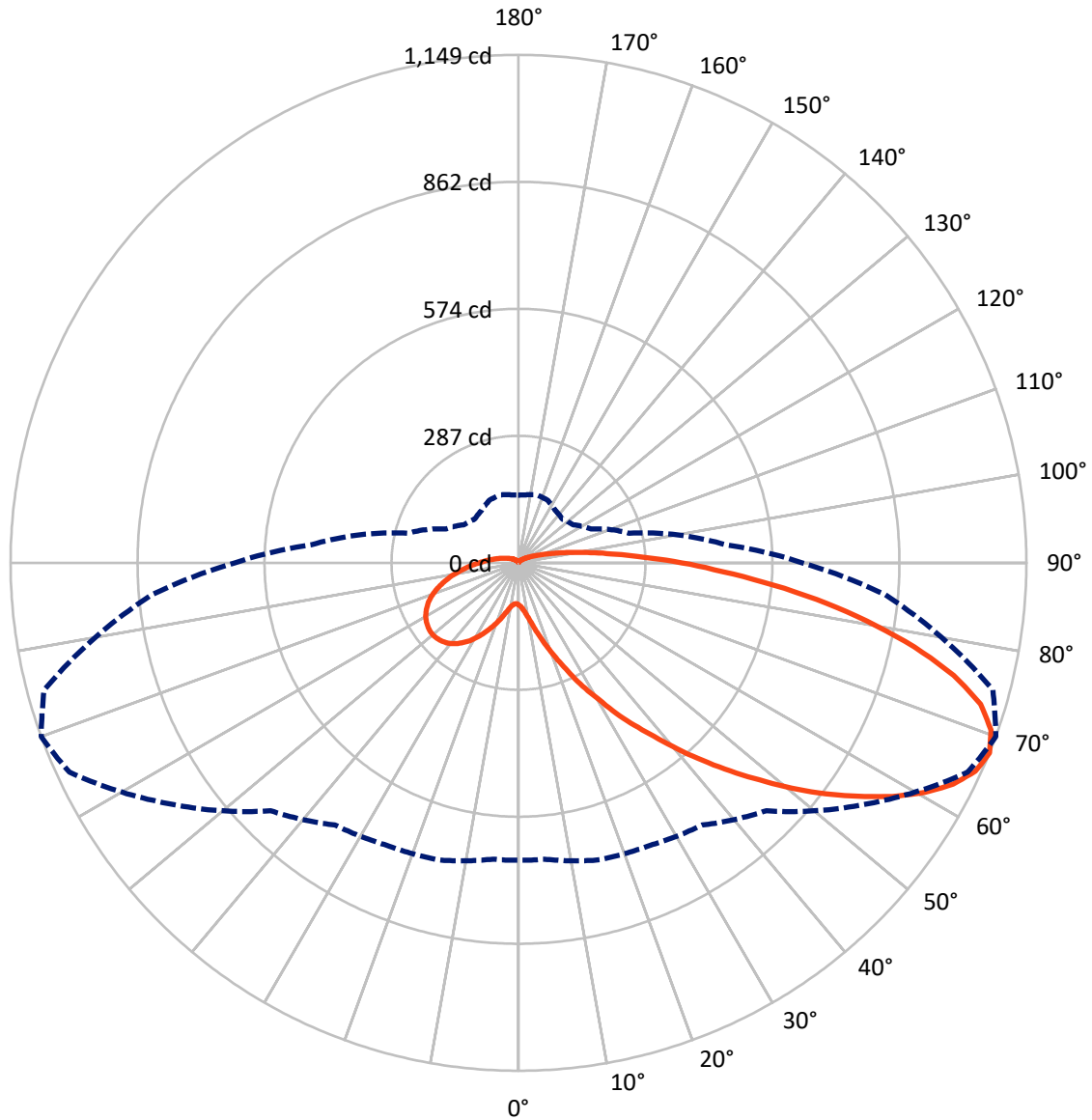
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P694588
CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694588
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

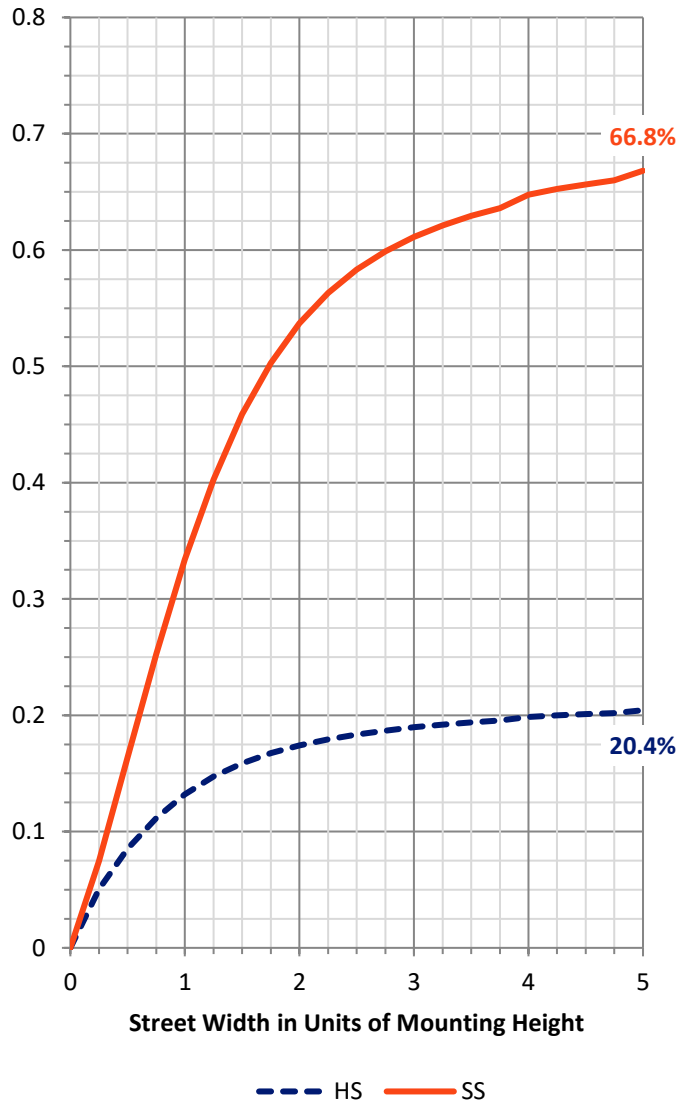
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.9	75.8	632.7
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	1808.4	142.0	1950.4
	% Fixture	70.0	5.5	75.5
Total	Lumens	2365.3	217.8	2583.1
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.4
10°-20°	40.9	1.6
20°-30°	103.1	4.0
30°-40°	201.8	7.8
40°-50°	328.6	12.7
50°-60°	460.4	17.8
60°-70°	528.2	20.4
70°-80°	439.6	17.0
80°-90°	252.8	9.8
90°-100°	116.0	4.5
100°-110°	53.1	2.1
110°-120°	26.1	1.0
120°-130°	13.5	0.5
130°-140°	6.6	0.3
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2365.3	91.6
0°-180°	2583.1	100.0

Coefficient of Utilization

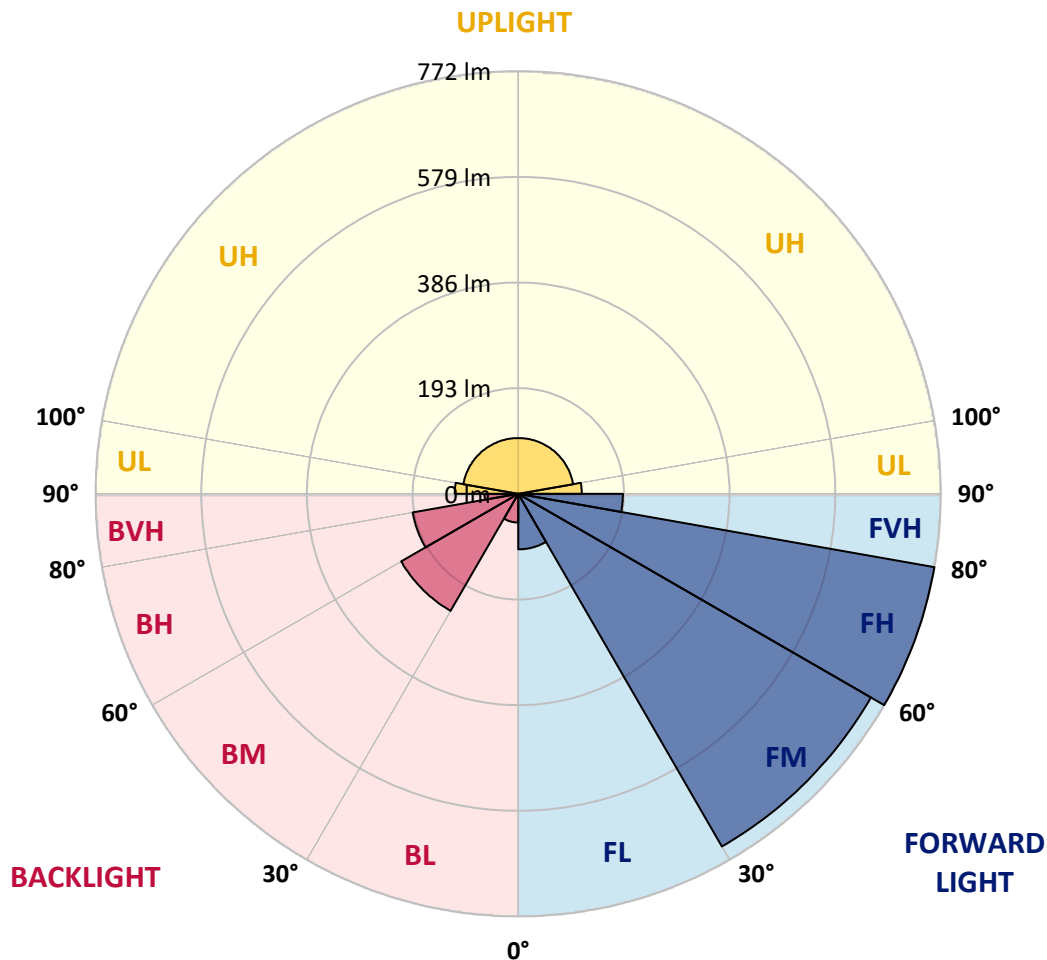


REPORT NUMBER: P694588
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.4	3.9			
FM (30°-60°)	743.9	28.8			
FH (60°-80°)	771.9	29.9			G1/1800
FVH (80°-90°)	191.1	7.4			G2/225
BL (0°-30°)	52.4	2.0	B0/110		
BM (30°-60°)	247.0	9.6	B1/1000		
BH (60°-80°)	195.8	7.6	B1/500		G1/500
BVH (80°-90°)	61.7	2.4			G1/100
UL (90°-100°)	116.0	4.5		U3/500	
UH (100°-180°)	101.8	3.9		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P694588

CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	104.0	104.0	104.0	103.0	103.0	101.0	101.0	99.0	99.0	98.0	96.0
5°	117.0	117.0	116.0	116.0	114.0	112.0	110.0	107.0	105.0	104.0	101.0
7.5°	132.0	132.0	131.0	129.0	128.0	125.0	121.0	117.0	115.0	113.0	108.0
10°	150.0	150.0	148.0	147.0	145.0	141.0	137.0	131.0	128.0	125.0	118.0
12.5°	171.0	169.0	169.0	166.0	163.0	160.0	155.0	148.0	145.0	141.0	132.0
15°	193.0	193.0	193.0	190.0	186.0	181.0	177.0	170.0	168.0	162.0	152.0
17.5°	219.0	221.0	218.0	214.0	212.0	207.0	202.0	197.0	192.0	186.0	173.0
20°	251.0	250.0	247.0	243.0	240.0	235.0	232.0	223.0	219.0	213.0	194.0
22.5°	282.0	283.0	280.0	274.0	270.0	267.0	262.0	255.0	249.0	242.0	221.0
25°	323.0	322.0	315.0	306.0	302.0	298.0	295.0	288.0	284.0	278.0	251.0
27.5°	364.0	360.0	355.0	347.0	337.0	330.0	328.0	325.0	322.0	312.0	282.0
30°	407.0	403.0	397.0	384.0	370.0	362.0	362.0	366.0	359.0	351.0	317.0
32.5°	452.9	447.9	440.0	424.0	405.0	396.0	400.0	407.0	406.0	394.0	352.0
35°	498.9	497.9	485.9	465.9	442.0	431.0	437.0	450.9	450.9	442.0	390.0
37.5°	543.9	544.9	533.9	508.9	477.9	465.9	474.9	497.9	497.9	490.9	427.0
40°	600.9	598.9	578.9	549.9	515.9	500.9	518.9	548.9	553.9	540.9	467.9
42.5°	649.9	645.9	629.9	593.9	552.9	534.9	559.9	600.9	610.9	595.9	509.9
45°	699.9	694.9	675.9	635.9	589.9	568.9	603.9	658.9	671.9	657.9	553.9
47.5°	746.9	741.9	724.9	676.9	628.9	609.9	648.9	717.9	733.9	721.9	596.9
50°	789.9	788.9	767.9	717.9	662.9	644.9	695.9	779.9	800.9	782.9	640.9
52.5°	826.9	822.9	802.9	754.9	696.9	682.9	743.9	844.9	867.9	849.9	684.9
55°	849.9	847.9	829.9	782.9	727.9	717.9	791.9	903.9	931.9	915.9	725.9
57.5°	860.9	857.9	842.9	800.9	750.9	749.9	835.9	964.9	996.9	975.9	767.9
60°	849.9	847.9	837.9	805.9	765.9	774.9	881.9	1020.9	1054.9	1031.9	800.9
62.5°	812.9	812.9	811.9	792.9	768.9	795.9	917.9	1068.9	1102.9	1074.9	824.9
65°	754.9	757.9	763.9	759.9	755.9	802.9	941.9	1104.9	1135.9	1102.9	837.9
67.5°	672.9	672.9	695.9	704.9	723.9	792.9	952.9	1120.9	1148.9	1110.9	832.9
70°	581.9	581.9	607.9	633.9	675.9	766.9	940.9	1111.9	1133.9	1091.9	810.9
72.5°	486.9	487.9	518.9	554.9	612.9	721.9	908.9	1072.9	1092.9	1042.9	766.9
75°	394.0	402.0	428.0	474.9	541.9	661.9	848.9	1004.9	1016.9	968.9	704.9
77.5°	312.0	322.0	353.0	399.0	468.9	585.9	767.9	913.9	915.9	869.9	629.9
80°	247.0	254.0	286.0	329.0	397.0	508.9	671.9	800.9	798.9	753.9	539.9
82.5°	195.0	200.0	225.0	267.0	332.0	436.0	576.9	671.9	678.9	634.9	452.9
85°	150.0	156.0	179.0	216.0	274.0	363.0	476.9	550.9	553.9	514.9	373.0
87.5°	115.0	121.0	142.0	177.0	226.0	298.0	389.0	446.9	442.0	411.0	295.0
90°	89.0	92.0	113.0	142.0	185.0	246.0	313.0	351.0	351.0	321.0	236.0
92.5°	71.0	72.0	91.0	117.0	153.0	200.0	252.0	276.0	269.0	252.0	186.0
95°	56.0	58.0	73.0	96.0	126.0	164.0	199.0	216.0	210.0	194.0	146.0
97.5°	45.0	47.0	60.0	80.0	105.0	134.0	160.0	168.0	165.0	154.0	116.0
100°	37.0	38.0	49.0	68.0	88.0	111.0	128.0	133.0	127.0	120.0	91.0
102.5°	31.0	32.0	42.0	57.0	75.0	91.0	104.0	106.0	101.0	93.0	73.0
105°	26.0	27.0	35.0	49.0	63.0	77.0	85.0	84.0	79.0	73.0	59.0
107.5°	23.0	23.0	30.0	42.0	55.0	64.0	70.0	68.0	63.0	57.0	48.0
110°	20.0	20.0	25.0	36.0	47.0	55.0	58.0	55.0	50.0	46.0	39.0

REPORT NUMBER: P694588
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	18.0	18.0	22.0	31.0	40.0	47.0	48.0	44.0	41.0	38.0	32.0
115°	16.0	17.0	19.0	26.0	34.0	40.0	40.0	37.0	34.0	31.0	28.0
117.5°	15.0	15.0	17.0	23.0	30.0	34.0	34.0	31.0	28.0	26.0	24.0
120°	14.0	14.0	16.0	20.0	26.0	29.0	29.0	26.0	24.0	22.0	21.0
122.5°	13.0	13.0	14.0	17.0	22.0	25.0	25.0	22.0	20.0	19.0	18.0
125°	12.0	12.0	13.0	15.0	19.0	21.0	21.0	18.0	17.0	16.0	16.0
127.5°	11.0	11.0	12.0	13.0	16.0	18.0	17.0	15.0	14.0	14.0	14.0
130°	10.0	10.0	11.0	12.0	14.0	15.0	14.0	13.0	12.0	12.0	12.0
132.5°	10.0	10.0	10.0	10.0	11.0	12.0	12.0	11.0	10.0	11.0	11.0
135°	9.0	9.0	9.0	9.0	9.0	10.0	9.0	9.0	9.0	9.0	9.0
137.5°	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	8.0	8.0
140°	7.0	7.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0
142.5°	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	6.0
145°	5.0	5.0	5.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	4.0	4.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P694588

CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2.5°	96.0	95.0	94.0	92.0	91.0	91.0	91.0	90.0	90.0	89.0	89.0
5°	99.0	98.0	94.0	91.0	89.0	87.0	85.0	84.0	83.0	82.0	82.0
7.5°	105.0	103.0	98.0	93.0	89.0	85.0	82.0	80.0	79.0	78.0	78.0
10°	114.0	111.0	103.0	96.0	90.0	85.0	81.0	79.0	77.0	76.0	76.0
12.5°	127.0	123.0	112.0	102.0	94.0	87.0	83.0	80.0	78.0	77.0	77.0
15°	145.0	138.0	124.0	111.0	100.0	91.0	86.0	84.0	83.0	83.0	83.0
17.5°	164.0	154.0	138.0	121.0	108.0	98.0	93.0	91.0	90.0	90.0	90.0
20°	185.0	174.0	152.0	132.0	116.0	107.0	101.0	99.0	98.0	98.0	98.0
22.5°	208.0	196.0	167.0	142.0	126.0	116.0	110.0	107.0	108.0	108.0	108.0
25°	234.0	217.0	183.0	154.0	135.0	125.0	119.0	116.0	118.0	119.0	119.0
27.5°	263.0	240.0	198.0	165.0	145.0	133.0	128.0	126.0	129.0	130.0	131.0
30°	291.0	265.0	213.0	177.0	153.0	141.0	136.0	137.0	139.0	141.0	143.0
32.5°	322.0	288.0	229.0	187.0	161.0	147.0	144.0	147.0	151.0	153.0	154.0
35°	352.0	312.0	241.0	196.0	167.0	153.0	151.0	156.0	161.0	165.0	165.0
37.5°	382.0	334.0	254.0	203.0	172.0	157.0	157.0	164.0	170.0	175.0	175.0
40°	413.0	358.0	265.0	209.0	176.0	161.0	162.0	171.0	179.0	182.0	183.0
42.5°	444.9	378.0	274.0	213.0	178.0	164.0	166.0	177.0	185.0	188.0	189.0
45°	475.9	399.0	281.0	215.0	180.0	165.0	168.0	181.0	189.0	192.0	192.0
47.5°	504.9	417.0	286.0	216.0	180.0	165.0	170.0	183.0	192.0	193.0	193.0
50°	535.9	435.0	290.0	216.0	179.0	165.0	170.0	184.0	192.0	192.0	192.0
52.5°	565.9	450.9	292.0	214.0	177.0	164.0	169.0	183.0	191.0	189.0	189.0
55°	593.9	463.9	291.0	211.0	174.0	161.0	167.0	181.0	188.0	185.0	185.0
57.5°	616.9	474.9	289.0	207.0	171.0	158.0	164.0	178.0	184.0	180.0	179.0
60°	636.9	481.9	285.0	202.0	166.0	154.0	161.0	174.0	179.0	174.0	173.0
62.5°	647.9	484.9	279.0	195.0	162.0	150.0	156.0	169.0	173.0	167.0	167.0
65°	651.9	480.9	270.0	188.0	156.0	146.0	151.0	163.0	166.0	161.0	160.0
67.5°	641.9	469.9	259.0	181.0	150.0	140.0	145.0	156.0	159.0	154.0	153.0
70°	620.9	448.9	245.0	171.0	143.0	134.0	138.0	147.0	151.0	147.0	146.0
72.5°	581.9	423.0	229.0	161.0	135.0	127.0	131.0	139.0	143.0	139.0	138.0
75°	535.9	389.0	211.0	150.0	127.0	120.0	123.0	129.0	133.0	131.0	129.0
77.5°	474.9	348.0	192.0	139.0	119.0	112.0	114.0	120.0	123.0	121.0	121.0
80°	411.0	303.0	173.0	127.0	111.0	105.0	105.0	110.0	113.0	112.0	110.0
82.5°	349.0	259.0	153.0	115.0	101.0	96.0	97.0	99.0	103.0	101.0	100.0
85°	287.0	220.0	134.0	104.0	92.0	88.0	88.0	89.0	92.0	91.0	90.0
87.5°	235.0	181.0	117.0	92.0	83.0	80.0	78.0	80.0	80.0	80.0	78.0
90°	191.0	150.0	101.0	82.0	76.0	72.0	70.0	70.0	70.0	69.0	68.0
92.5°	152.0	124.0	88.0	73.0	68.0	65.0	63.0	62.0	61.0	59.0	59.0
95°	125.0	102.0	76.0	64.0	61.0	58.0	56.0	55.0	53.0	51.0	50.0
97.5°	99.0	85.0	65.0	57.0	54.0	52.0	50.0	48.0	45.0	43.0	42.0
100°	79.0	69.0	56.0	50.0	48.0	46.0	44.0	42.0	39.0	36.0	35.0
102.5°	65.0	58.0	48.0	45.0	43.0	41.0	40.0	37.0	33.0	30.0	30.0
105°	53.0	48.0	42.0	39.0	38.0	37.0	35.0	32.0	28.0	25.0	25.0
107.5°	44.0	41.0	36.0	35.0	34.0	33.0	31.0	28.0	24.0	21.0	21.0
110°	37.0	34.0	31.0	30.0	30.0	29.0	28.0	24.0	21.0	18.0	18.0

REPORT NUMBER: P694588

CATALOG NUMBER: LXF.LXT-PA16-20-740-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	31.0	29.0	28.0	27.0	27.0	26.0	25.0	21.0	18.0	16.0	16.0
115°	26.0	25.0	24.0	24.0	24.0	23.0	22.0	19.0	15.0	14.0	14.0
117.5°	23.0	22.0	21.0	21.0	21.0	21.0	19.0	16.0	13.0	12.0	12.0
120°	20.0	20.0	19.0	19.0	19.0	18.0	17.0	14.0	11.0	11.0	11.0
122.5°	18.0	17.0	17.0	17.0	17.0	16.0	14.0	12.0	10.0	10.0	10.0
125°	16.0	15.0	15.0	15.0	15.0	14.0	12.0	10.0	9.0	9.0	9.0
127.5°	14.0	14.0	13.0	13.0	13.0	12.0	11.0	9.0	8.0	8.0	8.0
130°	12.0	12.0	12.0	12.0	11.0	10.0	9.0	8.0	7.0	7.0	7.0
132.5°	11.0	11.0	10.0	10.0	10.0	9.0	8.0	7.0	6.0	7.0	7.0
135°	9.0	9.0	9.0	9.0	8.0	7.0	7.0	6.0	6.0	6.0	6.0
137.5°	8.0	8.0	8.0	7.0	7.0	6.0	6.0	5.0	5.0	5.0	6.0
140°	7.0	7.0	6.0	6.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
142.5°	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
145°	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	3.0	3.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
150°	2.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)